

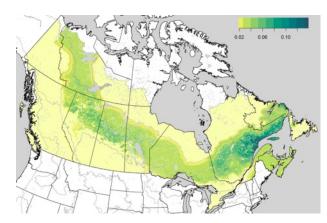
Carlson - Building the species niche from individuals

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How do the individuals of a species partition environmental niche space?



Cape May Warbler Boreal Avian Modelling Project, 2020

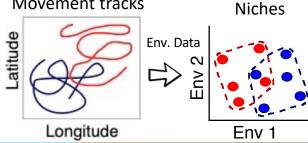
Species distribution models estimate species average response. Does individual variation matter?

White stork Ciconia ciconia

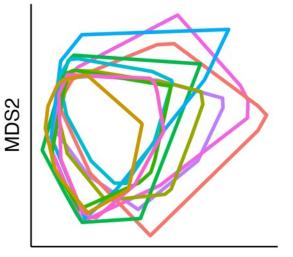


Construct individual niches using tracking and remote sensing data

Movement tracks



One population



MDS₁

Carlson et al. 2021 (Nat. Comm.)

Within populations, individual environmental niches have a **nested** structure

Species range?



Grey - White stork breeding range

How do individual storks partition environmental space across their range? Visit my poster to find out!

